GYM
HUB

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TEAM MEMBERS

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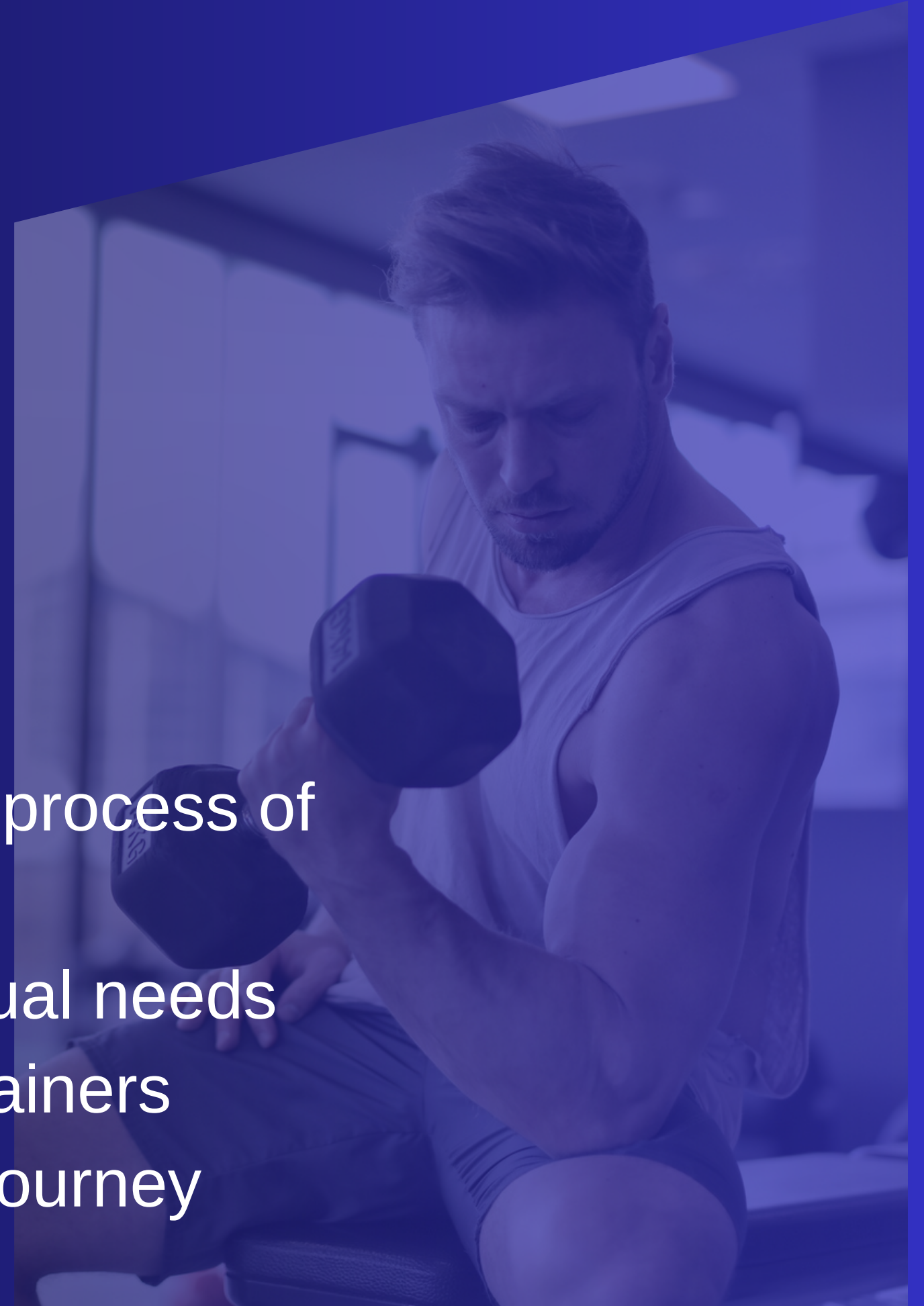
GYM WEB APP INTRODUCTION

GymWeb App Introduction

-Transforming the Fitness Experience

Primary Goals

- Streamlined Fitness Journey: Simplify the process of getting fit
- Personalization: Tailor workouts to individual needs
- Expert Guidance: Connect with certified trainers
- Progress Tracking: Visualize your fitness journey

OVERVIEW & KEY FEATURES

GymWeb App Overview

  -Your All-in-One Fitness Companion

Key Features & Functionalities

- User Authentication

    -Secure registration and login

- Personalized Workouts

    -Customize routines for your goals

- Trainer Interaction

    -Expert guidance and training plans

- Progress Tracking

    -Visualize and monitor your fitness journey

ROADMAP TO SUCCESS

- User Login

- User Registration

- Email Verification

  - Trainers' Avaliable Time

  - Appointment Booking

  - Reminder Email Service

REQIUREMENT GATHERING

- Understand the overarching goals of the gym management system and followed the requirements that are given in document

- Document both functional and nonfunctional requirements

- Meetings with supervisors and scrum masters.

DESIGN & DEVELOPMENT

Design:

- Front-end technology: React JS
  Backend technology: Spring Boot
  Database structure: MySQL

- Used Just in time design approach as agile methodology allows

Development:

- Front End Development: Using CSS,JavaScript
- Back End Development: Java
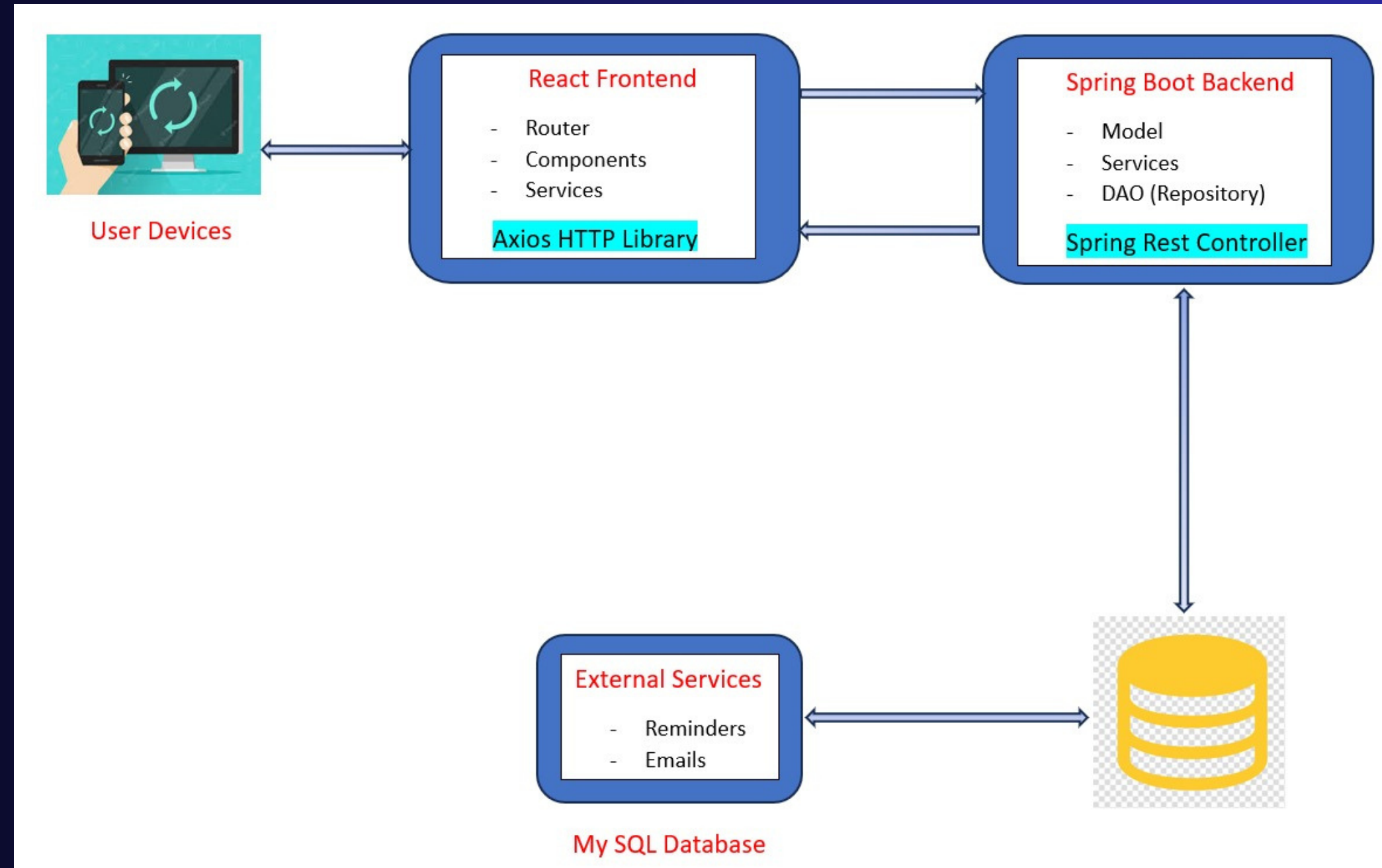- Database Development: SQL quries

TESTING & DEPLOYMENT

Testing:
- Unit Testing
- Intergration Testing
- Security Testing

Deployment:
- Staging Environment
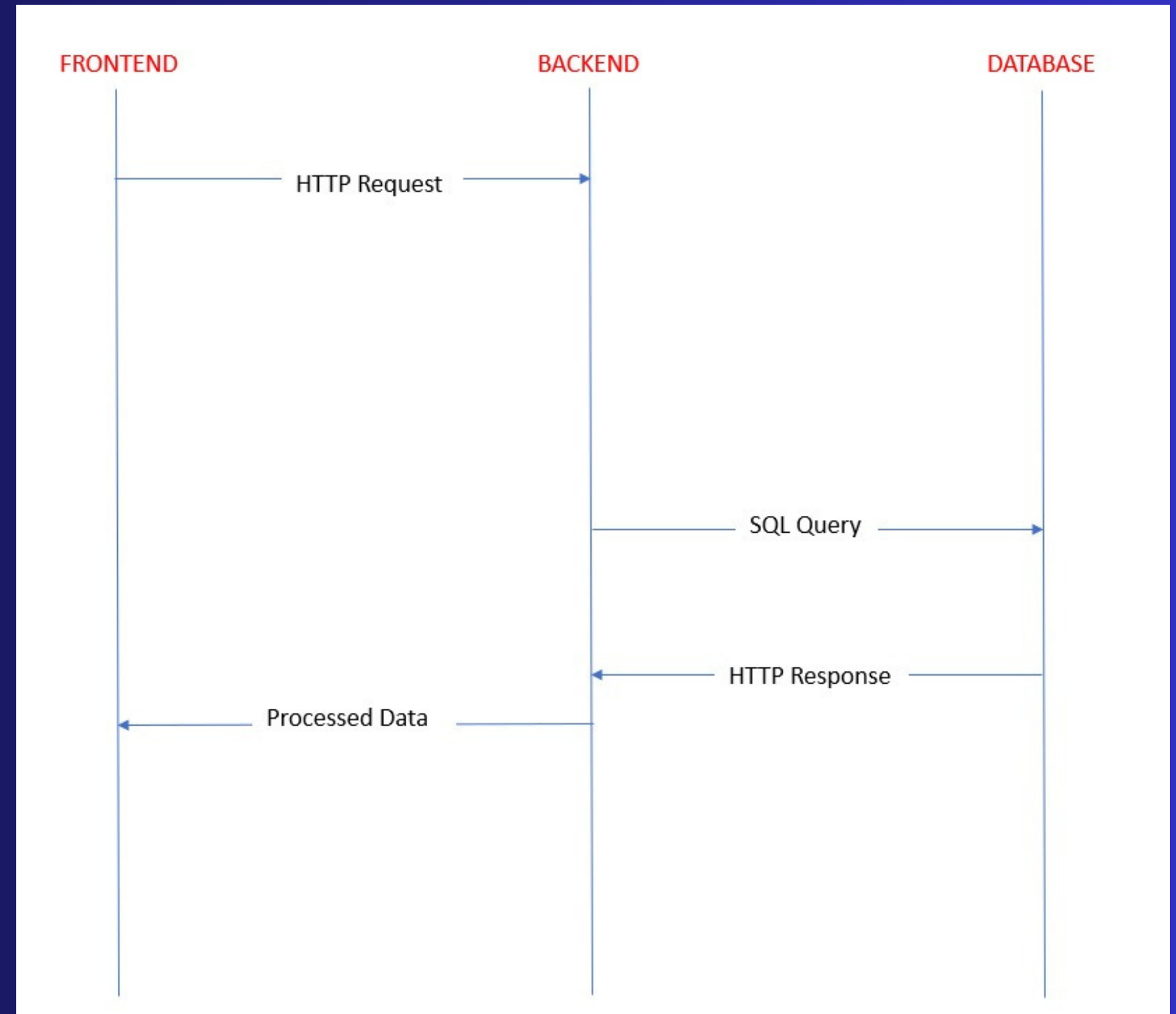- Production Environment
- Monitoring

HIGH LEVEL ARCHITECTURE

DATA & CONTROL FLOW

- User Registration

- Appointment Scheduling

- Weight Tracking

STORAGE

- Temporary Data Storage - Local Storage
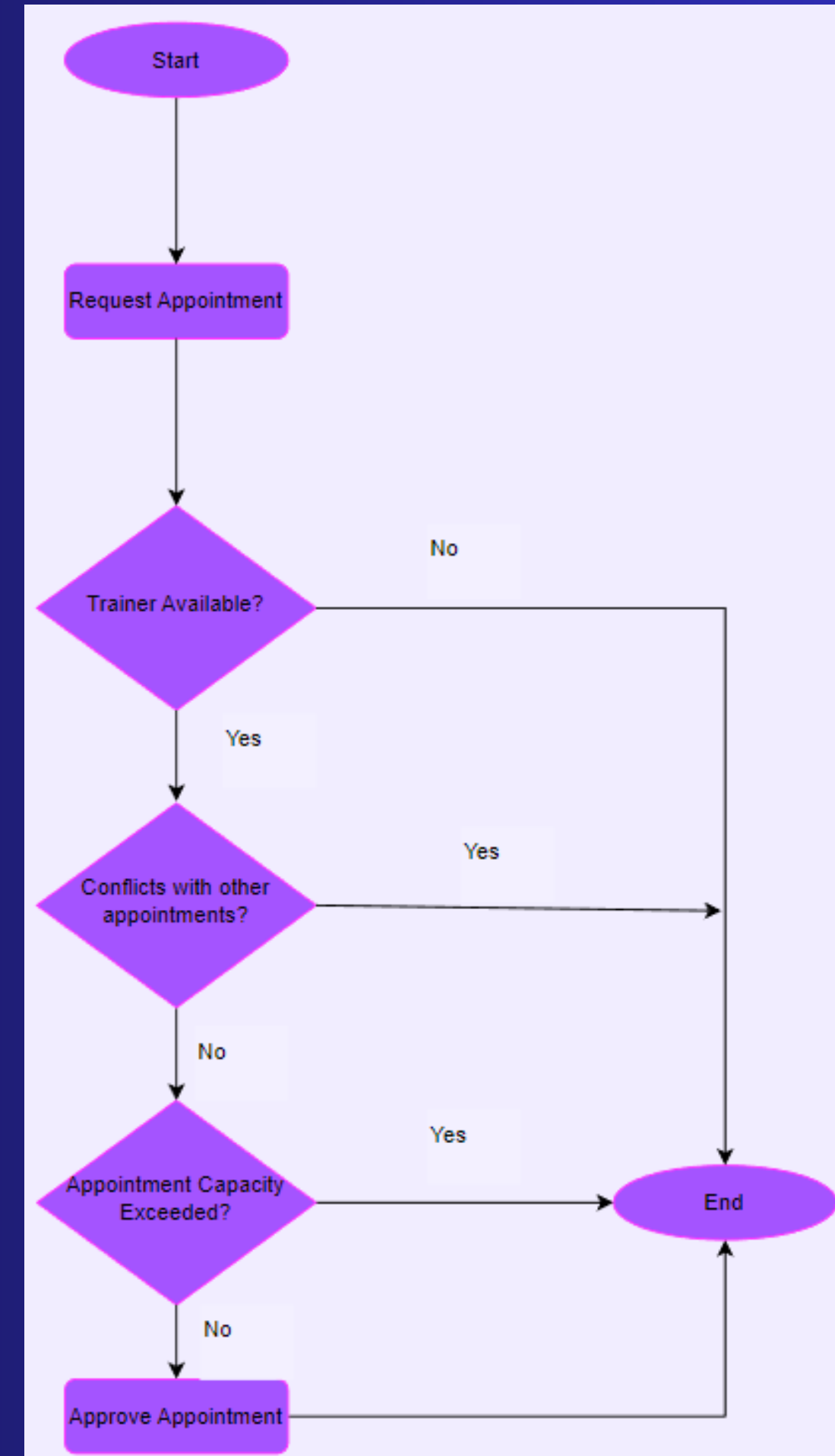
- Permanent Data Storage - Database(MySql)
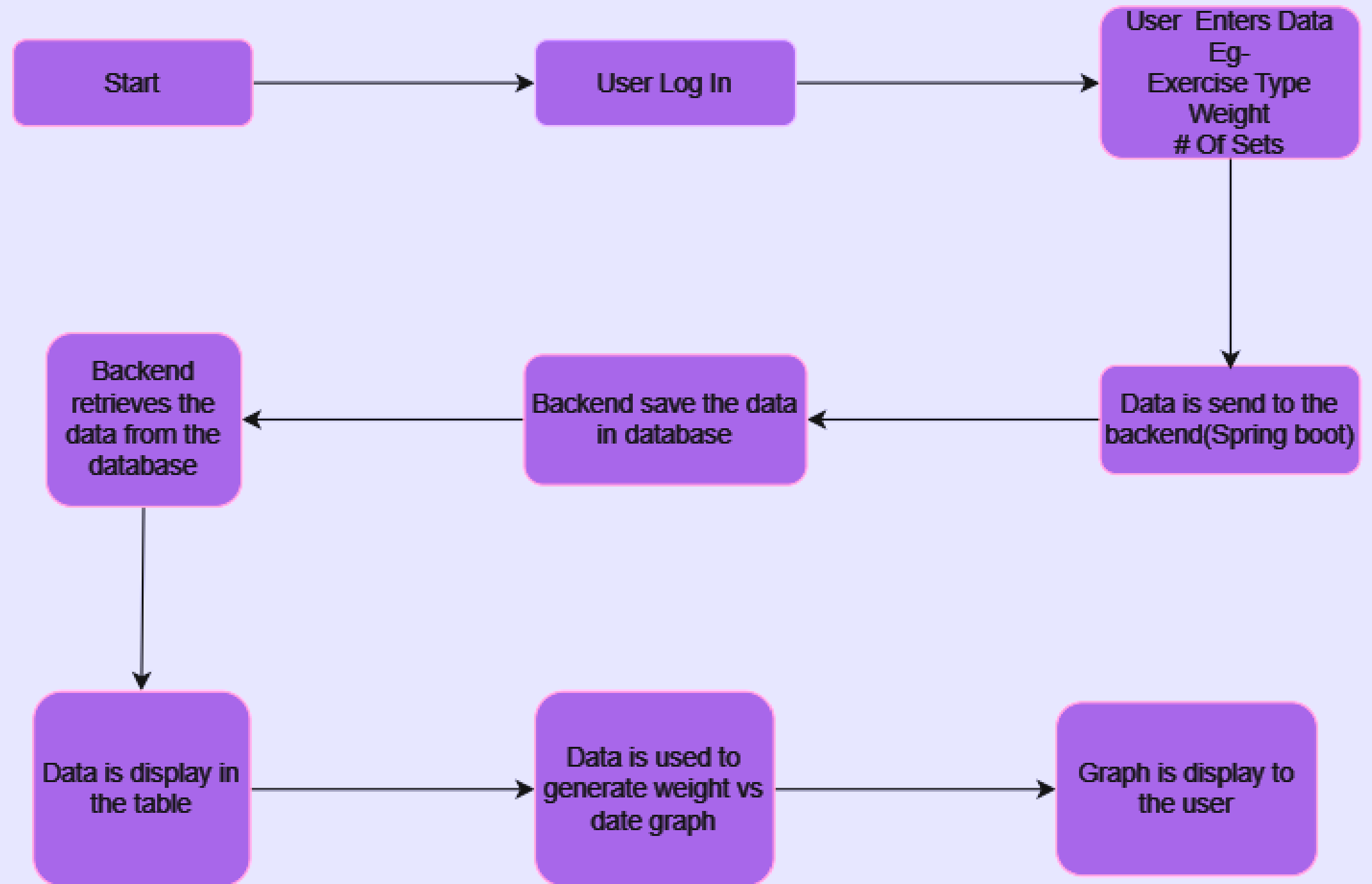
CONTROL DECISIONS

- User Registration Control

- Trainer Availability Control

- Appointment Scheduling Control

- Weight Tracking Control

- Appointment Approval Process Logic

APPOINTMENT APPROVAL PROCESS

WEIGHT TRACKING

Start → User Log In → User Enters Data Eg- Exercise Type Weight # Of Sets

Data is send to the backend(Spring boot)

Backend save the data in database

Backend retrieves the data from the database

Data is display in the table → Data is used to generate weight vs date graph → Graph is display to the user

USER EXPERIENCE (UX)

- User Interface design
  - User-friendly
  - With Consistent layout
  - With Features accessible to all users
- Responsive Design
- Email Service
- Prioritizes user-centered design
- Regular feedback from trainers and trainees
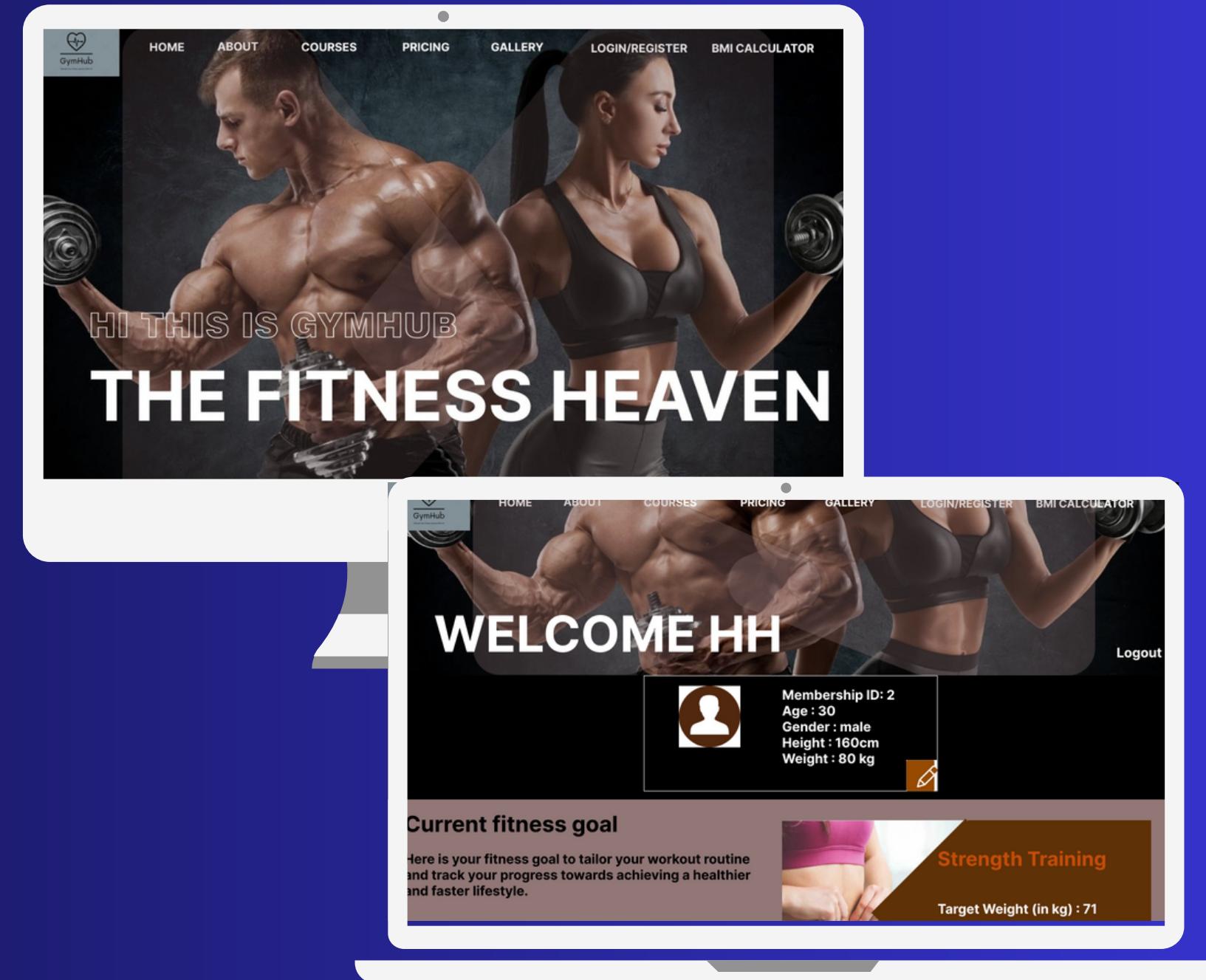
VERSION CONTROL

- Track changes
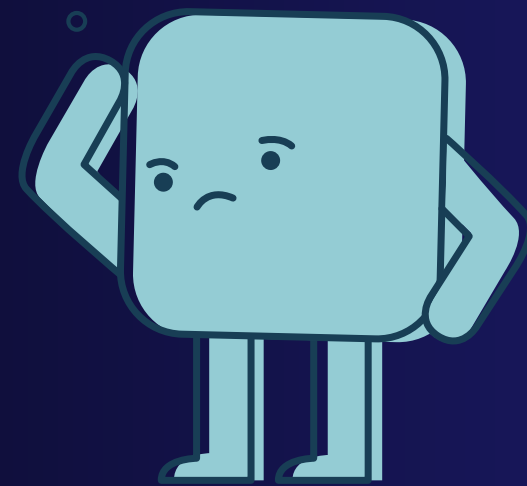- Manage branches
- Collaborate seamlessly

DOCUMENTATION

GitHub Repository

GitHub Pages

GitHub Wiki

ANY QUESTIONS??

THANK
YOU